

CLAIMS

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1. Process for the manufacture of adipic acid crystals from adipic acid obtained by crystallization, characterized in that it consists in dispersing the adipic acid crystals collected on conclusion of crystallization in a liquid medium, in stirring the said liquid medium and in then separating the said crystals from the said liquid medium.

10 2. Process according to Claim 1, characterized in that the liquid medium is water or a water/acetic acid mixture.

3. Process according to Claim 1 or 2, characterized in that the temperature of the liquid medium is between 20°C and 70°C.

15 4. Process according to one of the preceding claims, characterized in that the concentration by weight of adipic acid in the liquid medium is greater than or equal to 5%.

20 5. Process according to Claim 4, characterized in that the concentration by weight of adipic acid in the liquid medium is between 5% and 60%.

6. Process according to one of the preceding claims, characterized in that the adipic acid 25 crystals before dispersion have a mean size of between 100 µm and 1000 µm.

7. Process according to one of the preceding claims, characterized in that the crystals

separated from the dispersion have a size of between  
50  $\mu\text{m}$  and 1000  $\mu\text{m}$ .

8. Process according to one of the  
preceding claims, characterized in that the liquid  
5 medium is cooled before the separation of the treated  
crystals.

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PROCESS FOR THE MANUFACTURE OF ADIPIC ACID

The present invention relates to a process for the manufacture of adipic acid, more particularly of adipic acid crystals.

It relates more specifically to a process for the treatment of the adipic acid crystals obtained on conclusion of crystallization, which consists in dispersing the adipic acid crystals collected on conclusion of crystallization in a liquid medium, in stirring the said liquid medium and in then separating the said crystals from the said liquid medium and optionally drying them.

The form of the crystals is modified in order to obtain pebbles with a substantially smooth surface.